

10/27/00  
10948 U.S. PTO

10-30-00

PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box → +

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 117]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 8 ]
5. Oath or Declaration [ Total Pages 8 ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 17 completed)
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach bar code label here)			<input type="checkbox"/> or <input type="checkbox"/> Correspondence address below
------------------------------------------------------------	-----------------------------------------------------	--	--	-----------------------------------------------------------------------------------

Name	Janice M. Klunder, Ph.D.			
Address	Hale and Dorr LLP 60 State Street			
City	Boston	State	MA	Zip Code
Country		Telephone	617-526-6000	Fax
Name (Print/Type)	Janice M. Klunder, Ph.D.	Registration No. (Attorney/Agent)		41,121
Signature	<i>Janice M. Klunder</i>		Date 27 Oct 2000	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

EXPRESS MAIL LABEL NO. EL521665185USDATE OF DEPOSIT 10/17/00

PTO/SB/17 (09-00)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$1,758)

## Complete if Known

Application Number	
Filing Date	27 October 2000
First Named Inventor	Palombella
Examiner Name	
Group Art Unit	
Attorney Docket No.	103.576.144

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 08-0219Deposit Account Name Hale and Dorr LLP Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status. See 37 CFR 1.272.  Payment Enclosed: Check  Credit card  Money Order  Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					

SUBTOTAL (1) (\$ 710.00)

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
41	-20** = 21	x 18	= 378
Independent Claims	8	- 3** = 5	x 80 = 400
Multiple Dependent			270 = 270

## Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee Description
103	18	203	9
102	80	202	40
104	270	204	135
109	80	209	40
110	18	210	9

SUBTOTAL (2) (\$1,048.00)

\*\*or number previously paid, if greater; For Reissues, see above

Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ )

## SUBMITTED BY

Complete if applicable

Name (Print/Type)	Janice M. Klunder, Ph.D.	Registration No. (Attorney/Agent)	41,121	Telephone	617-526-6771
-------------------	--------------------------	-----------------------------------	--------	-----------	--------------

Signature	<i>Janice M. Klunder</i>	Date	27 Oct 2000
-----------	--------------------------	------	-------------

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Palombella et al.

Serial No.: TBA

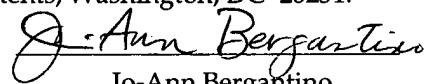
Filing Date: October 27, 2000

Title: **MEKK1 MOLECULES AND USES THEREOF**JC917 U.S. PTO  
09/697898  
10/24/00

## BOX PATENT APPLICATION

Commissioner for Patents  
Washington, DC 20231**CERTIFICATE OF MAILING**

I hereby certify that the attached papers and fees are being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" Service under 37 C.F.R. 1.10 on October 27, 2000 and is addressed to BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.

10/27/00Date of Signature and  
of Mail Deposit

Jo-Ann Bergantino

**TRANSMITTAL LETTER**

Dear Commissioner for Patents:

Enclosed herewith for appropriate action are the following items:

1. Utility Patent Application Transmittal Sheet;
2. New Application entitled MEKK1 MOLECULES AND USES THEREOF and naming inventors Vito J. Palombella and Sha-Mei Liao. The application consists of 125 pages, including:  
108 pages of the specification  
8 pages of the claims  
1 page of the abstract  
8 pages of drawings (Figures 1-5);
3. Two Signed Declaration and Power of Attorney forms;
4. Fee Transmittal Sheet; and
5. Return postcard.

Please charge our Deposit Account No. 08-0219 the required filing fee of \$1,758. In addition, please charge any fees or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

HALE AND DORR LLP



---

Janice M. Klunder, Ph.D.  
Reg. No. 41,121

**October 27, 2000**

HALE AND DORR LLP  
60 State Street  
Boston, MA 02109  
Tel: (617) 526-6771  
Fax: (617) 526-5000

MEKK1 MOLECULES AND USES THEREOF

Title:

Serial/Patent No. TBA

Applicant Palombella et al.

In the above matter, the following have been received by the US Patent and Trademark Office on the date stamped hereon.

Express Mail Label No. EL521665185US

Application incl. 125 pages ( Design)  
108 pp. of specification  
8 pp. of claims (# of claims -       )  
1 pp. of abstract  
8 sheets of drawings; Figs. 1-5  
 formal  informal

Provisional Application Cover Sheet

Declaration / Power of Attorney ( Unsigned)  X2

Verified Statement Claiming Small Entity Status

Copy of Notice to File Missing Parts  Response

Request for filing CPA; 37 CFR 1.53(d)

IDS, PTO-1449, and        references (Supp.       )

Certificate of Mailing under 37 CFR 1.8(a)

Response to Office Action/Restriction Req.

Petition for        month extension of time

Assignment and Cover Sheet

Amendment ( Preliminary;  After Final)

Notice of Appeal

Appellant's Brief (triplicate) ( Reply Brief)

Letter to Chief Draftsperson

Issue Fee /  Maintenance Fee Transmittal

Sequence listing;  Diskette

Transmittal Letter

Check for \$       ; check #       

Deposit Account Authorization \$1758.00

other: \_\_\_\_\_

other: \_\_\_\_\_

Mailing Date: 10/27/00 Docket No. 103576.144 Atty/paralegal/secy: JMK/jrb  
MPI2000-133 Millennium

10917 U.S. PTO  
109/697898  
10/21/00

